

NCA workshop

NCA 2006 Natural Computing and Applications Workshop in the frame of SYNASC-2006
8th International Symposium on
Symbolic and Numeric Algorithms for Scientific Computing
Timisoara, Romania
September 26 - 29, 2006

Workshop description Natural Computation is a field of research that is concerned with the use of nature-inspired paradigms for solving computational problems. The world of natural computation is diverse and fascinating. It tries to combine the computing carried in computer science with the computing observed in nature. NCA'06 invites authors to submit their original and unpublished work that demonstrate current research in all areas of natural computation and their applications in science, technology, business and commerce. Submitted papers have to be original, containing new and interesting results.

Topics:

Suggested topics for papers include, but are not limited to, the following:

- evolutionary computing,
- neural computing,
- molecular computing (DNA computing, membrane computing)
- quantum computing,
- information processing in cells and tissues,
- immunocomputing,
- swarm intelligence,
- computation with words,
- granular computation,
- artificial life,
- hybrid systems and other intelligent systems inspired by nature,
- natural computing applications in knowledge discovery, business, science, finance, operations research and other fields.

Submission of papers: Papers of up to 8 pages edited using the IEEE conference style must be submitted electronically to dzaharie@info.uvt.ro. All papers will be peer reviewed by at least two or more independent referees of the program committee of NCA'06 and accepted on the basis of their scientific merit and relevance to the Workshop topics. Papers accepted for presentation will be published in the SYNASC'06 post-proceedings (IEEE Computer Press).

Workshop deadlines:

Submission of papers: June 16, 2006 June 30, 2006
Notification of acceptance: August 1, 2006 August 7, 2006
Final paper: September 1, 2006
Registration: September 1, 2006

Workshop chairs:

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